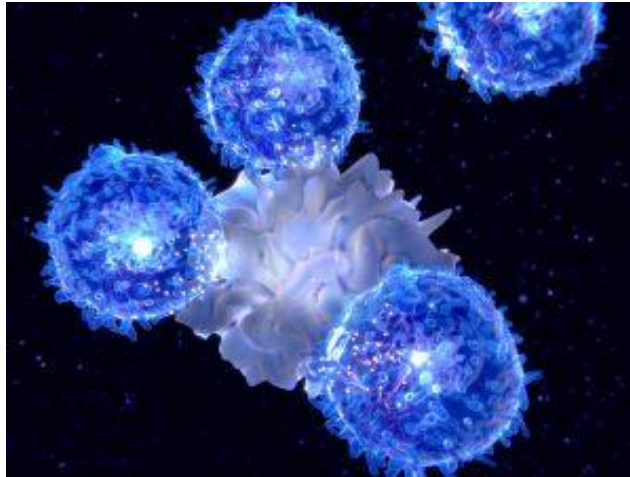


Centre of the Cell's 'Invasion! Infection and Immunity' Challenge



Invasion! Infection and Immunity is a workshop which includes activities all based around our immune system. Our immune system is our defence system which protects us against disease and helps us to get better if we do fall ill. There are lots of different parts of our immune system- each with its own job to do!

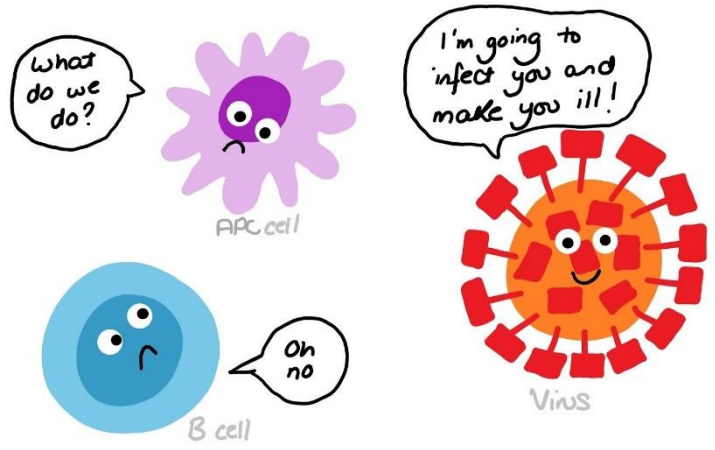
Match up the cell with its role within the immune system

Dendritic cell	Engulfs and digests foreign material
B plasma cell	Presents antigens from pathogens
T killer cell	Trigger a faster response from previous exposure
Macrophage	Produces antibodies
Memory cells	Triggers apoptosis in infected/ damaged cells

For this challenge we want you to get creative and make a comic about your immune system. You could give the cells characters and show their journey through our bodies and how they act! See our example on the next page for inspiration, or use one of the below suggestions.

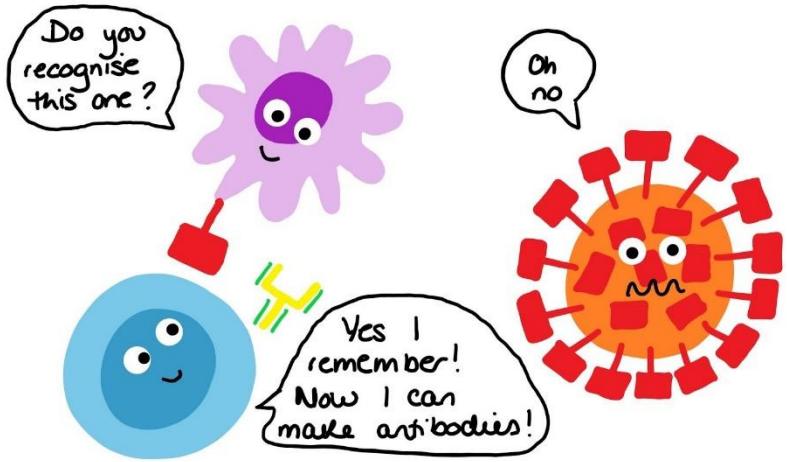
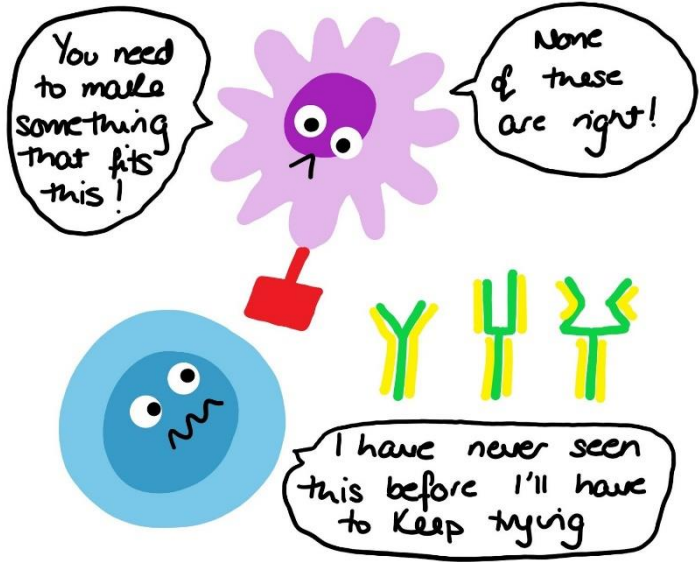
- **How white blood cells are made**
- **Specific vs non-specific immune systems**
- **What happens during an autoimmune disease**

Let us know how your
challenge goes on social media
@CentreoftheCell!



A virus invades the body and is labelled as non-self.

Antigen presenting cells show the virus' antigen to our B cells.



Eventually the B cell makes the right shaped antibody to fight off the virus. Our immune system saves the day!